



BAR CODE MEDICATION ADMINISTRATION (BCMA)

TECHNICAL MANUAL/SECURITY GUIDE

Version 2.0
May 2002

(Revised August 2002)

Revision History

Any changes subsequent to the initial release of this manual are listed below. You should update the manual with the pages listed under the Revised Pages column. Pages listed under this column in parentheses are unchanged, but included for two-sided copying.

Date	Revised Pages	Patch Number	Description
08/02	Title Page, (5)-6, 7-(8)	PSB*2*1	– Updated the Title Page and included this Revision History Page. – Renumbered the pages with Roman numerals to include the Revision History Page. – Decreased the total number of routines for BCMA V. 2.0 to equal 51. – Changed the “BCMA V. 2.0 Routines Installed on to <i>VISTA</i> Server” example to reflect the deletion of routine PSB0000 from the <i>VISTA</i> Server.
05/02			Original Released GUI User Manual.

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Implementation and Maintenance

Required Patches

Before installing the BCMA V. 2.0 Master Build, make sure that the following released patches are installed.

Pharmacy Data Management V. 1.0

PSS*1*46 – requires the following patch

- PSS*1*44

Inpatient Medications V. 5.0

PSJ*5*58 – requires the following patches

- PSJ*5*24
- PSJ*5*62
- PSS*1*46 – will be installed as part of the BCMA V. 2.0 Master Build
- PSJ*5*68
- PSJ*5*69
- PSJ*5*71
- PSJ*5*75

CPRS V. 1.0

OR*3*133

RPC Broker V. 1.1

XWB*1.1*26

XWB*1.1*29

Installation Time Estimates

On average, it takes approximately one minute to install BCMA V. 2.0. This estimate was provided by one of our BCMA V. 2.0 Beta Test sites. Suggested time to install: non-peak requirement hours. PC Client users should not be accessing the Client Software.

Note: Actual times may vary, depending on how your site is using its' system resources.

Implementation and Maintenance

Resource Requirements



TIP:

The approximate size for ^PSB was calculated using a “normal” Med Pass for a Unit Dose and an IV medication order. This is only an estimated number; it serves as the “mean.”

This section summarizes the (approximate) number of resources required to install BCMA V. 2.0.

- Routines 51
- Globals 1 (^PSB)
- Files 5 (53.66-53.79)
- ^PSB Size (in bytes) Unit Dose = 300 x # of Medications Administered
IV = 2100 x # of IV Bags Administered
- FTEE Support .2
- FTEE Maintenance .2

Response Time Monitor

BCMA V. 2.0 does *not* include Response Time Monitor hooks.

Laptops and Bar Code Scanners

The approximate requirements for laptops and bar code scanners depend on the number of Inpatient areas, at your site, that use BCMA for administering active medication orders. The BCMA Development Team recommends that your site have a minimum of three laptops and three scanners for each ward.

Printers

Your site should provide printers for creating patient wristbands and medication bar code labels, and for handling Missing Dose Requests sent from BCMA V. 2.0 to the Pharmacy.

Unit Dose Label Printer Devices

BCMA V. 2.0 includes the *Label print* [PSBO BL] option for printing individual or batch Unit Dose bar code labels. It is specifically coded to the Zebra-brand printers using ZPL command language. Model 105SE was used in the development of the labels. Routine PSBO BL uses site-specific printers or terminals to produce labels.

IV Label Printer Devices

Inpatient Medications V. 5.0 provides an option for printing individual or batch IV bar code labels. See the section “Interfacing with the Bar Code Label Printer” in the *Inpatient Medications V. 5.0 Technical Manual/Security Guide* for detailed setup information.

Implementation and Maintenance

Files Required to Run BCMA V. 2.0



TIP:

The namespace for the BCMA package is PSB and the primary global is ^PSB.

BCMA V. 2.0 uses the following files installed on the *VISTA* Server. “Journaling” is recommended.

- ^PSB (53.66, BCMA IV Parameters
- ^PSB (53.68, BCMA Missing Dose Request
- ^PSB (53.69, BCMA Report Request
- ^PSB (53.78, BCMA Medication Variance Log
- ^PSB (53.79, BCMA Medication Log

Note: You can learn more about these files by generating a list with file attributes using VA FileMan.

Routines Installed

Review the listing below to learn the routines installed on to your site’s *VISTA* Server during the installation of BCMA V. 2.0. The first line of each routine briefly describes its general function.

Note: You can use the Kernel *XU First Line Print* (First Line Routine Print) option to print a list containing the first line of each PSB routine.

Routine Mapping

At this time, we do *not* offer any recommendations for routine mapping. However, if you choose to map the BCMA V. 2.0 package routines, you will need to bring your system down, and then restart it to load the new routines into memory.

Example: BCMA V. 2.0 Routines Installed on to *VISTA* Server

PSBALL	PSBAPIPM	PSBMD	PSBML	PSBML1	PSBMLEN	PSBMLEN1	PSBMLHS
PSBMLTS	PSBMLU	PSBMLVAL	PSBO	PSBO1	PSBOAL	PSBOBL	PSBODL
PSBODL1	PSBODO	PSBOHDR	PSBOMD	PSBOMH	PSBOMH1	PSBOMH2	PSBOML
PSBOMM	PSBOMV	PSBOPE	PSBOPI	PSBOPM	PSBOWA	PSBPAR	PSBPARIV
PSBPOIV	PSBPRN	PSBRPC	PSBRPC1	PSBRPC2	PSBRPCMO	PSBRPCXM	PSBSAGG
PSBUTL	PSBVAR	PSBVDLIV	PSBVDLPA	PSBVDLPB	PSBVDLTB	PSBVDLU1	PSBVDLU2
PSBVDLUD	PSBVDLVL	PSBVT					

Implementation and Maintenance

Items Deleted During the Install Process

This section lists the items deleted during the installation of BCMA V. 2.0.

- Files None
- Options None
- Routines PSBVDL, PSBVDL1, PSBVDL2, PSBORL
- Templates None